

**List of Current Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-14 (canceled).

15. (New) A measuring device for process technology, to be used in measurement and/or cleaning and/or calibration installations in the area of process automation, for measuring pH-values and/or redox potentials and/or other process parameters, comprising:

a central unit;

at least one measurement module connected to said central unit; and

a selection line assigned to each measurement module, wherein:

each measurement module is selectable by said central unit by a selection line.

16. (New) The measuring device as claimed in claim 15, wherein:

all measurement modules are connectable with said central unit over a central transmission line.

17. (New) The measurement device as claimed in claim 15, wherein:

each measurement module has a module transmission line.

18. (New) The measurement device as claimed in claim 17, further comprising:

a multiplexer, wherein:

the module transmission lines are connectable with the inputs of said multiplexer;

the output of said multiplexer is connectable with said central unit; and

said multiplexer is controllable via said selection lines.

19. (New) An operating method for a measuring device for process technology, to be used in measurement and/or cleaning and/or calibration installations in the area of process automation, for measuring pH-values and/or redox potentials and/or other process parameters, having a central unit, and at least one measurement module connected with the central unit; comprising the steps of:

providing a selection line for each measurement module; and

selecting a measurement module by the central unit and a selection line.

20. (New) The operating method as claimed in claim 19, further comprising the steps of:

controlling a multiplexer by the selection lines such that data transmitted over a module transmission line of the selected measurement module are forwarded via the multiplexer to the central unit.

21. (New) The operating method as claimed in claim 19, further comprising the step of:

transmitting data transmitted from the central unit over a central transmission line to all measurement modules.

22. (New) The operating method as claimed in claim 19, further comprising the step of:

utilizing data sent from the central unit only in the measurement module selected by means of a selection line.

23. (New) The operating method as claimed in claim 19, wherein:  
the measurement modules are periodically selected by the central unit.

24. (New) The operating method as claimed in claim 19, wherein:  
different measuring modules are selected for different selection times periodically by the central unit.

25. (New) The operating method as claimed in claim 24, wherein:  
the selection times are changed.

26. (New) The operating method as claimed in claim 19, wherein:  
the measurement modules are selected a plurality of times within one cycle.

27. (New) The operating method as claimed in claim 19, wherein:  
the measurement modules are selected periodically by the central unit.